Imagine.
Roland®

DVE
Digital Value Engineering

PRINT&CUT
VersaUV LEC-540
UV-LED Inkjet Printer/Cutter

Let Your Imagination Soar With Our New, Larger and Faster UV-LED Inkjet Printer/Cutter

With its ability to print CMYK plus White and Clear ink for varnishing and embossing effects on a wide array of substrates, our VersaUV printer/cutters quickly revolutionized the packaging prototype and short-run label industries. Now, our 54" model takes your creativity to an even larger scale. Our newest model further enhances your workflow by printing and contour cutting designs, producing folds and perforated cuts, and providing built-in support for rigid substrates all in just one device. In addition to packaging prototypes and labels, you can print and contour cut control panels and large, decorative graphics including fine art.

Packaging prototype created from 1100mm (43.31") clay-coated newsback board (CCNB) is a perfect match to the final product.

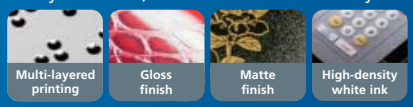
Layers of clear ink on decorative shatterproof film turn window displays into works of art.

The LEC-540 brings canvas prints to life with custom textures and effects.

Roland's Unique UV-LED Technology Expands Your Creative Reach

The LEC-540 accepts media up to 1372mm wide for large-scale graphics that are highly customized. Create realistic packaging prototypes for your clients to review, or textured fine art posters that look and feel just like hand-painted art. Labels, decals, and even control panels are easy to produce, all from one device through one seamless workflow. Choose from vinyl, polyester film, synthetic paper, PET, banner, and even clay-coated newsback board (CCNB) and other rigid substrates* up to 1mm thick. An integrated crease tool allows you to crease cardboard for easy folding of packaging prototypes. You can also perforate the contours of your designs for easy removal of excess media. For optimum results, built-in front and back tables support flawless feeding of thicker materials. Artistic print mode delivers 1440 x 1440 dpi resolution for uncompromising image quality. Add unique design elements with high-density white ink, or choose from our library of 72 pre-designed patterns and textures created by layers of ECO-UV Gloss ink.

*Excludes metals



Roland OnSupport Messaging System Included for Remote Production Management

With the LEC-540, you receive Roland OnSupport, an online customer support system that allows you to remotely track the status of your LEC-540 activities. The system keeps you informed by sending e-mail notifications directly to your PC or mobile phone with important information such as when a job is completed or ink is running low. You can leave your printer unattended knowing that critical production information will be sent to you in real time.

Roland OnSupport

New Larger UV-LED Lamps Provide Twice the Productivity

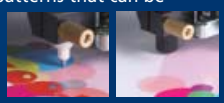
The LEC-540 features new, larger LED lamps that increase the UV ink curing area and your productivity. As a result, the LEC-540 is twice as fast as the 30" model in Standard CMYK print mode (720 x 1080). The LEC's UV LED lamps reposition themselves automatically depending on the mode to allow high-speed printing while maintaining exceptional print quality. This groundbreaking technology makes it easy to produce outstanding results on large customized items such as decorative window graphics printed with both white and clear inks for unique design elements and textures. You can even print directly on paper banners for trade show graphics that stand out from the rest.

Throughput Comparison for 4 Color (CMYK) Printing LEC-540 LEC-330

	LEC-540	LEC-330
High-Speed	11.7m²/h (126.1 sqft/hr)	4.7m²/h (50.6 sqft/hr)
Standard	5.2m²/h (56.4 sqft/hr)	2.7m²/h (29.07 sqft/hr)
High-Quality	3.9 m²/h (42.1 sqft/hr)	1.8m²/h (19.4 sqft/hr)

Renowned Roland Print&Cut Technology and Powerful VersaWorks RIP Software

The LEC-540 contour cuts or perforates materials up to 0.4mm thick* for easy removal of excess media. An advanced media take-up system collects printed and cut graphics for reliable unattended production. Roland VersaWorks is included and is built on the genuine Adobe® PostScript® 3™ engine for reliable quality print after print. VersaWorks features the Roland Texture System Library including 72 textures and patterns that can be produced by layering the LEC-540's ECO-UV Gloss ink. VersaWorks automatically estimates the ink usage and print time for each graphic so you can accurately monitor your time and costs.



* For best results, professionals should test print LEC-330 graphics and cut on each substrate before production.

Specifications

Printing technology		Piezo electric inkjet
Ink cartridges	Types	Roland ECO-UV INK
	Capacity	220 cc
	Colors	Six colors (cyan, magenta, yellow, black, white, and gloss)
	Configuration*1	CMYK+Gloss+White, CMYK+White+White, or CMYK+Gloss+Gloss
Ink-curing unit		Dual UV-LED Lamp
Media	Width	260 to 1371 mm (10.2 to 54 in.)
	Thickness	Maximum 1.0 mm (39 mil) with liner, for printing, Maximum 0.4 mm (16 mil) with liner and 0.22 mm (9 mil) without liner, for cutting
	Roll outer diameter	Maximum 210 mm (8.3 in.)
	Roll weight	Maximum 30 kg (66 lb.)
	Core diameter*2	76.2 mm (3 in.) or 50.8 mm (2 in.)
Printing / cutting width*3		Maximum 1346 mm (53 in.)
Printing resolution (dots per inch)		Maximum 1440 dpi
Cutting speed		10 to 600 mm/s (10 to 300 mm/s in media-feed direction)
Blade force		30 to 300 gf
Blade offset compensation		0.000 to 1.500 mm (0 to 0.0591 in.)
Software resolution (when cutting)		0.025 mm/step (0.000984 in./step)
Distance accuracy (when printing)*4 *5 *9		Error of less than ±0.3% of distance traveled, or ±0.3 mm, whichever is greater
Distance accuracy (when cutting)*4 *9		Error of less than ±0.4% of distance traveled, or ±0.3 mm, whichever is greater When distance correction has been performed (when the setting for [CUTTING MENU] - [CALIBRATION] has been made): Error of less than ±0.2% of distance traveled, or ±0.1 mm, whichever is greater
Repetition accuracy (when cutting)*4 *6 *9		±0.1 mm or less
Alignment accuracy for printing and cutting*4 *7 *9		±0.5 mm or less
Alignment accuracy for printing and cutting when reloading media*4 *8		Error of less than ±0.5% of distance traveled, or ±3 mm, whichever is greater
Connectivity		Ethernet (10BASE-T/100BASE-TX, automatic switching)
Power-saving function		Automatic sleep feature
Power requirements		AC 100 to 240 V ±10%, 50/60 Hz, maximum 5.5 A
Power consumption	During operation	490 W
	Sleep mode	15.3 W
Acoustic noise level	During operation	64 dB (A) or less
	During standby	40 dB (A) or less
Dimensions (with front table and stand)		2,925 (W) × 1,120 (D) × 1,260 × (H) mm (115.2 (W) × 44.1 (D) × 49.6 (H) in.)
Weight (with stand)		225 kg (496 lb.)
Environmental	Power on	Temperature: 20 to 32°C (68 to 90°F) [22°C (72°F) or higher recommended], humidity: 35 to 80% (no condensation)
	Power off	Temperature: 5 to 40°C (41 to 104°F), humidity: 20 to 80% (no condensation)
Accessories		Stand, power cord, crease tool (XD-CT), blade (ZEC-U5022, ZEC-U3050), blade holder (XC-CH2), media clamps, replacement blade for separating knife, cleaning kit, software RIP (Roland VersaWorks), and user's manual, etc.

*1 Ink configuration must be selected upon purchase.
*2 The media holder of this machine is exclusively for media with paper tube core inner diameter 3 inches. To use a 2 inch media core, please use the optional available media flanges.
*3 The length of printing or cutting is subject to the limitations of the program.
*4 Using Roland specified media, loaded correctly, temperature: 25°C (77°F), humidity: 50 %, all pinch rollers are used, 25 mm or more for both right and left margins and 35 mm or more front margin, including expansion or contraction of the media. and all correction and adjustment functions of this machine have been made properly.
*5 Using Roland specified media, print travel of 1m
*6 [PREFEED] menu item must be set to "ENABLE," Media 3,000 mm long.
*7 Provided that media length is under 3,000 mm. Excluding possible shift caused by expansion or contraction of the media and/or reloading the media.
*8 Using Roland specified media, data size: 1,000 mm in the media-feed direction, 1,346 mm in the carriage-movement direction, No lamination. Automatic detection of crop marks at 4 points when media is reloaded. During cutting, [PREFEED] menu item must be set to "ENABLE." Excludes the effects of skewed movement and of expansion and contraction of the media.
*9 Applicable when neither the front table nor the rear table is used.

Roland VersaWorks System Requirements

Operating system	Windows® 7 Professional or Ultimate (32-bit); Windows Vista® Business/Ultimate Service Pack 1 (32-bit); Windows Vista® Business/Ultimate (32-bit); Windows® XP Professional Service Pack 2 or later
CPU	Core™2 Duo, 2.0 GHz or faster recommended
RAM	1 GB or more recommended (Windows 7 and Vista: 2 GB or more recommended)
Video card and monitor	A resolution of 1,280 x 1,024 or more recommended
Free hard-disk space	40 GB or more recommended
Hard-disk file system	NTFS format
Optical drive	DVD-ROM drive

Roland VersaWorks-Compatible Application Software

Adobe® Illustrator® 10, CS, CS2, CS3, CS4, CorelDRAW® 11, 12, X3

Options	Model	Description
ECO-UV Media	DuPont™ Tyvek® 1056D	Nonwoven lightweight, 760 mm x 50 m (29.9" x 164')
ECO-UV Ink	EUV-MG	Magenta, 220cc
	EUV-YE	Yellow, 220cc
	EUV-CY	Cyan, 220cc
	EUV-BK	Black, 220cc
	EUV-WH	White, 220cc
	EUV-GL	Gloss, 220cc
Cleaning liquid	SL-CL	1 pc.
Crease tool	XD-CT	1 pc.
Blades	ZEC-U3050	For vinyl, sandblast, card board, 1pc.
	ZEC-U5022	For thick, reflective and fluorescent vinyl, 2pcs.
	ZEC-U5025	For thick, reflective and fluorescent vinyl, 5pcs.
Blade holder	XD-CH2	Blade holder with blade extension adjuster, made of aluminum

Vaporized components may slightly irritate the eyes, nose and/or throat during and following printing with this product. If continuously printing in a closed space, the density of volatile compositions will accumulate and may irritate the eyes, nose and /or throat. Roland strongly recommends that you install a ventilation system and use this product in a well-ventilated room. For more information, please contact your local distributor or dealer.

About White Ink

Due to the nature of white ink, the pigment will settle in the cartridge and ink flow system, requiring you to shake the cartridge before each use.

Roland DG products that feature this environmental label meet the company's criteria for environmental consciousness, a set of standards based on ISO 14021 self-declaration type II. For more information, please visit www.rolanddg.com.

ECO

As an ENERGY STAR® partner, Roland DG Corporation has determined that this product meets the ENERGY STAR guidelines for energy efficiency. ENERGY STAR is a U.S. registered mark.

ENERGY STAR

ISO 14001:2004 and ISO 9001:2008 Certified

Roland pursues both environmental protection and continuous quality improvement. Under the philosophy of preserving the environment and human health, Roland is actively working to abolish organic solvents in production, to reduce and recycle waste, to reduce power use, and to purchase recycled products. Roland constantly strives to provide the most highly reliable products available.

JMA REGISTRATION CENTER
QMS, EMS
JMAQA-270
JMAQA-E089

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AUTHORIZED DEALER:

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